Docket: ESI-2001F

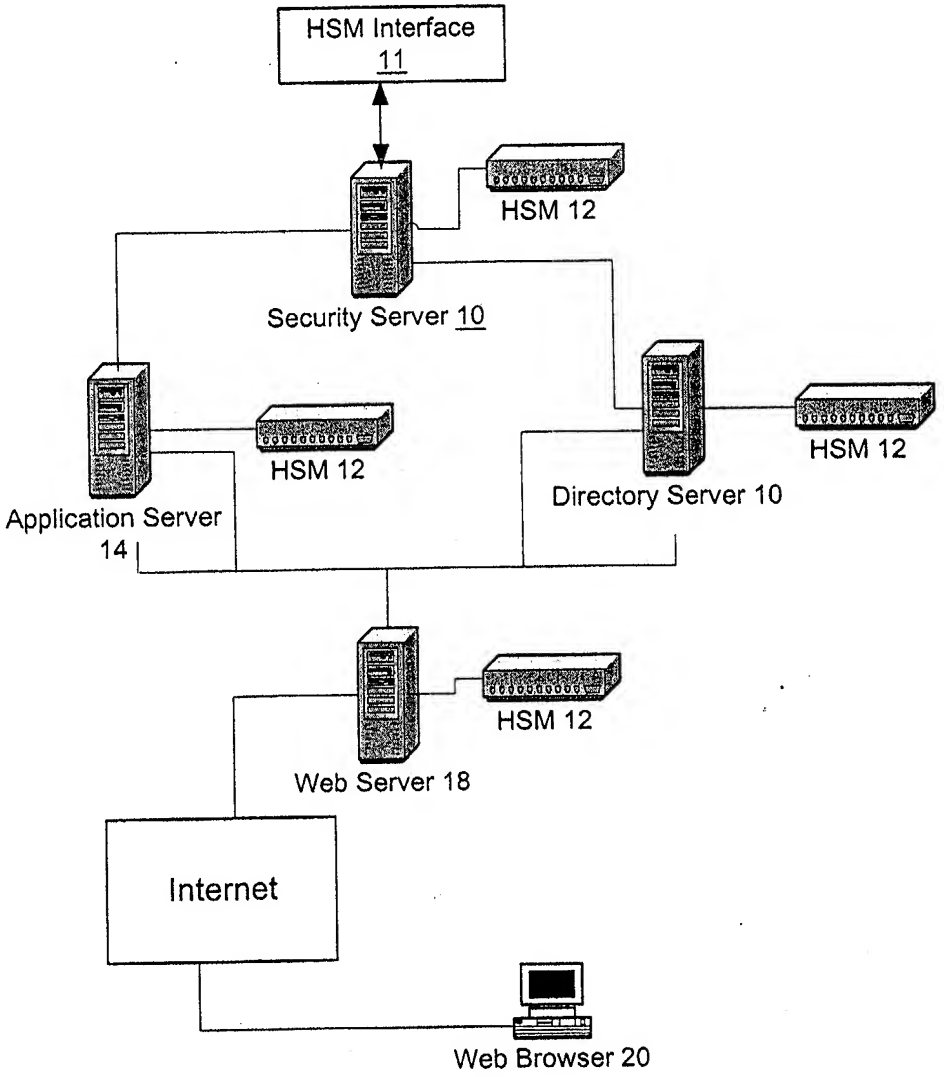

FIGURE 1 (Prior Art)

COPY OF PAPERS
ORIGINALLY FILED

Docket: 2003P21000

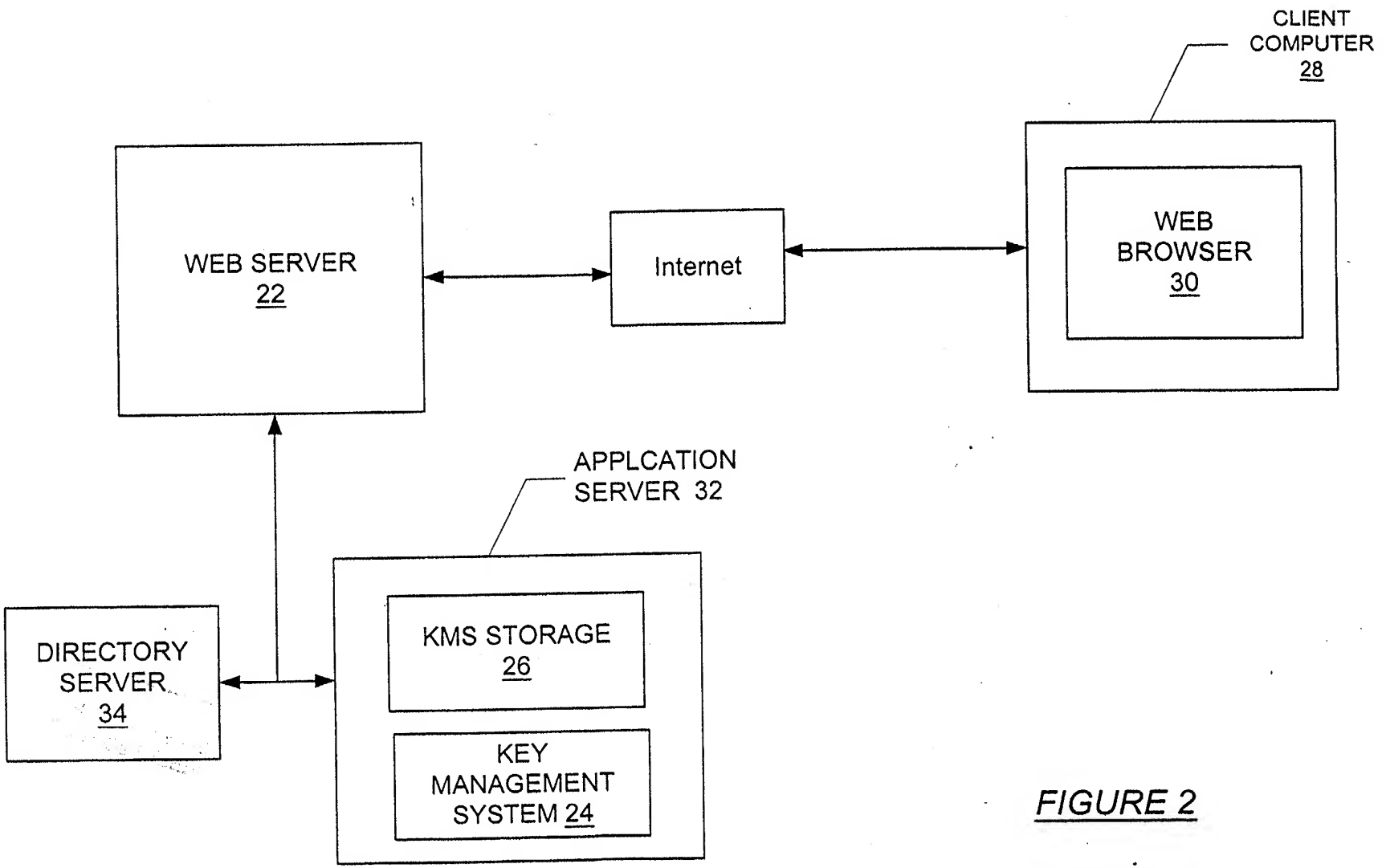

FIGURE 2

Docket 2004

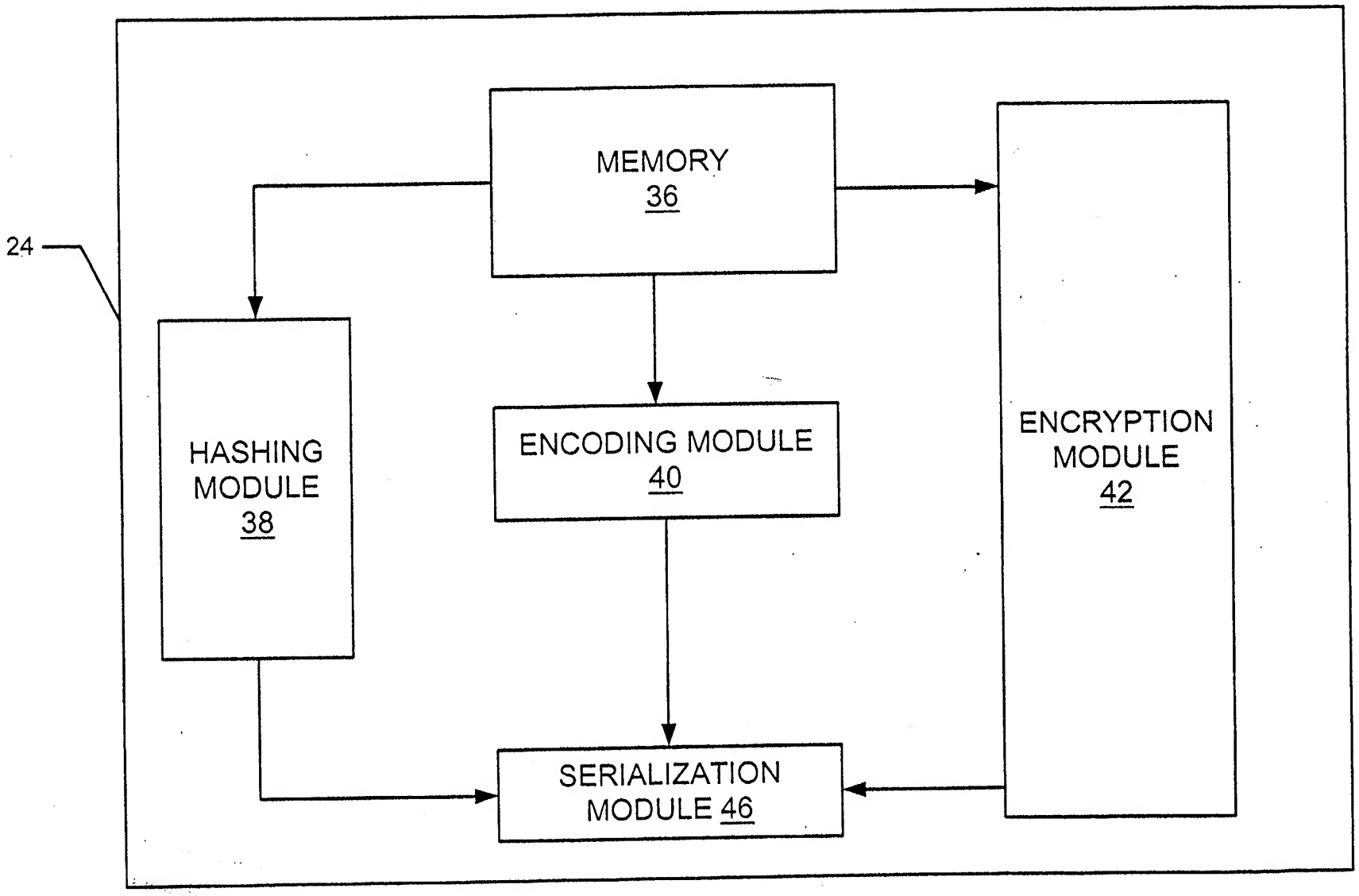

FIGURE 3

DOCKET NO. 2003-0007

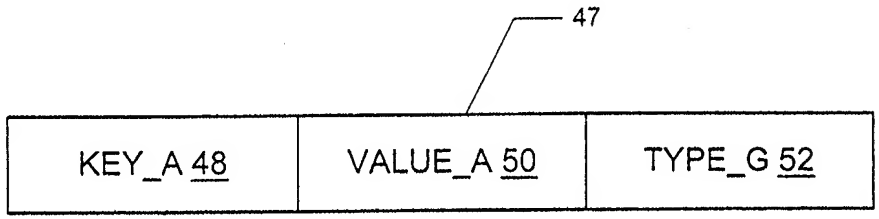

FIGURE 4

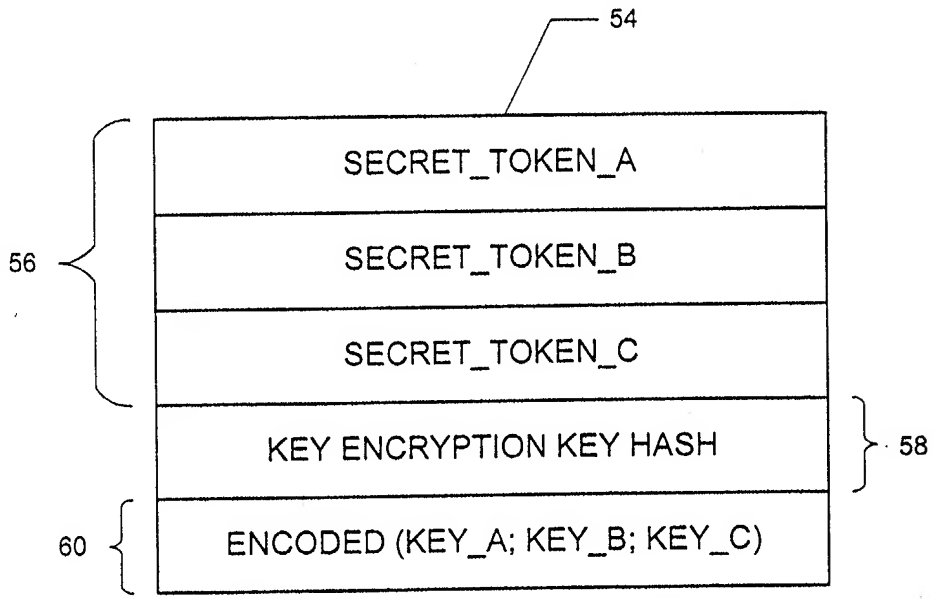
54
SECRET_TOKEN_A
SECRET_TOKEN_B
SECRET_TOKEN_C
KEY ENCRYPTION KEY HASH
ENCODED (KEY_A; KEY_B; KEY_C)
56
58
60

FIGURE 5

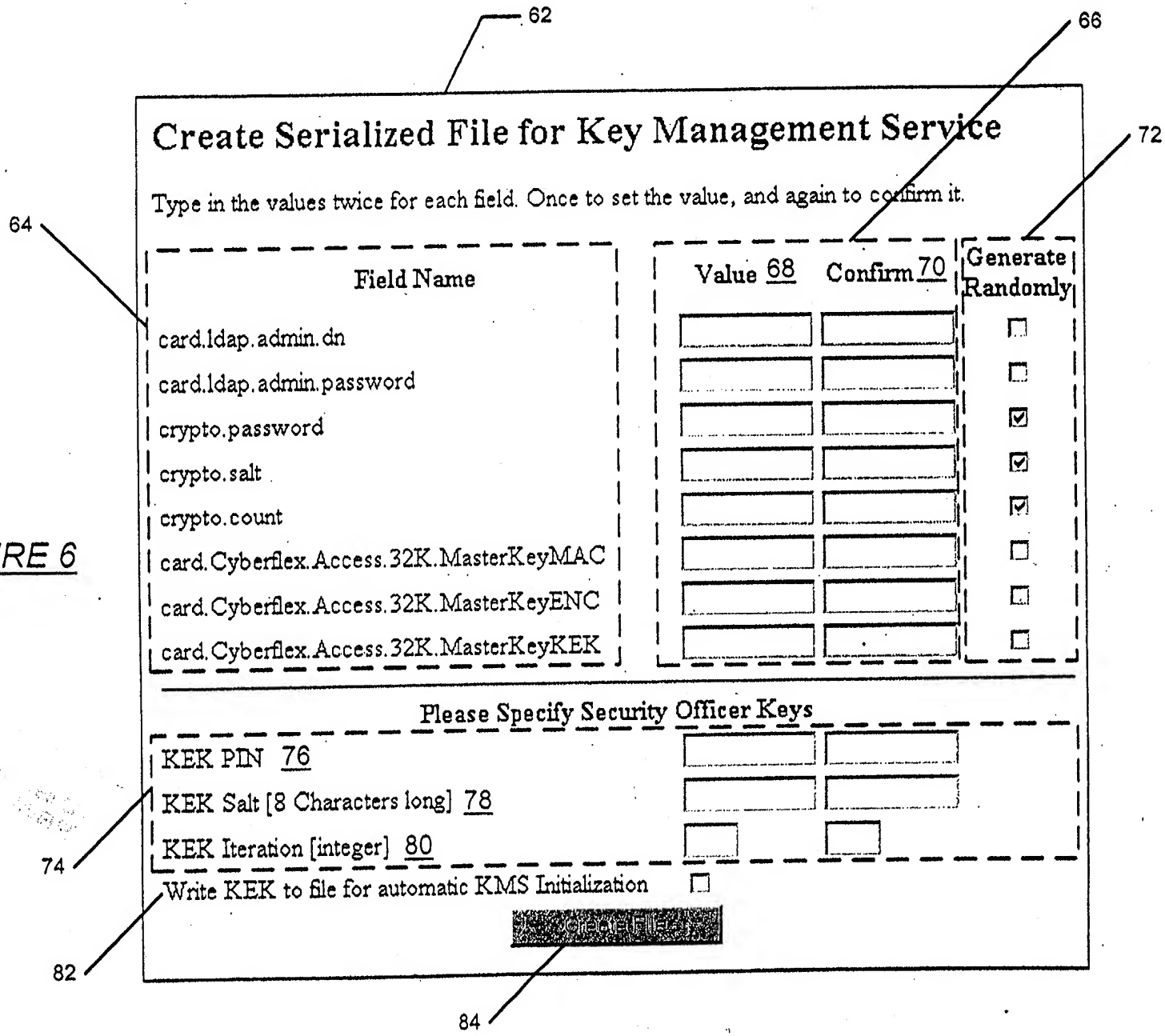
62
66
72
64
Create Serialized File for Key Management Service
Type in the values twice for each field. Once to set the value, and again to confirm it.
Field Name
Value 68
Confirm 70
Generate Randomly
card.ldap.admin.dn
card.ldap.admin.password
crypto.password
crypto.salt
crypto.count
card.Cyberflex.Access.32K.MasterKeyMAC
card.Cyberflex.Access.32K.MasterKeyENC
card.Cyberflex.Access.32K.MasterKeyKEK
Please Specify Security Officer Keys
KEK PIN 76
KEK Salt [8 Characters long] 78
KEK Iteration [integer] 80
74
Write KEK to file for automatic KMS Initialization
82
84

FIGURE 6

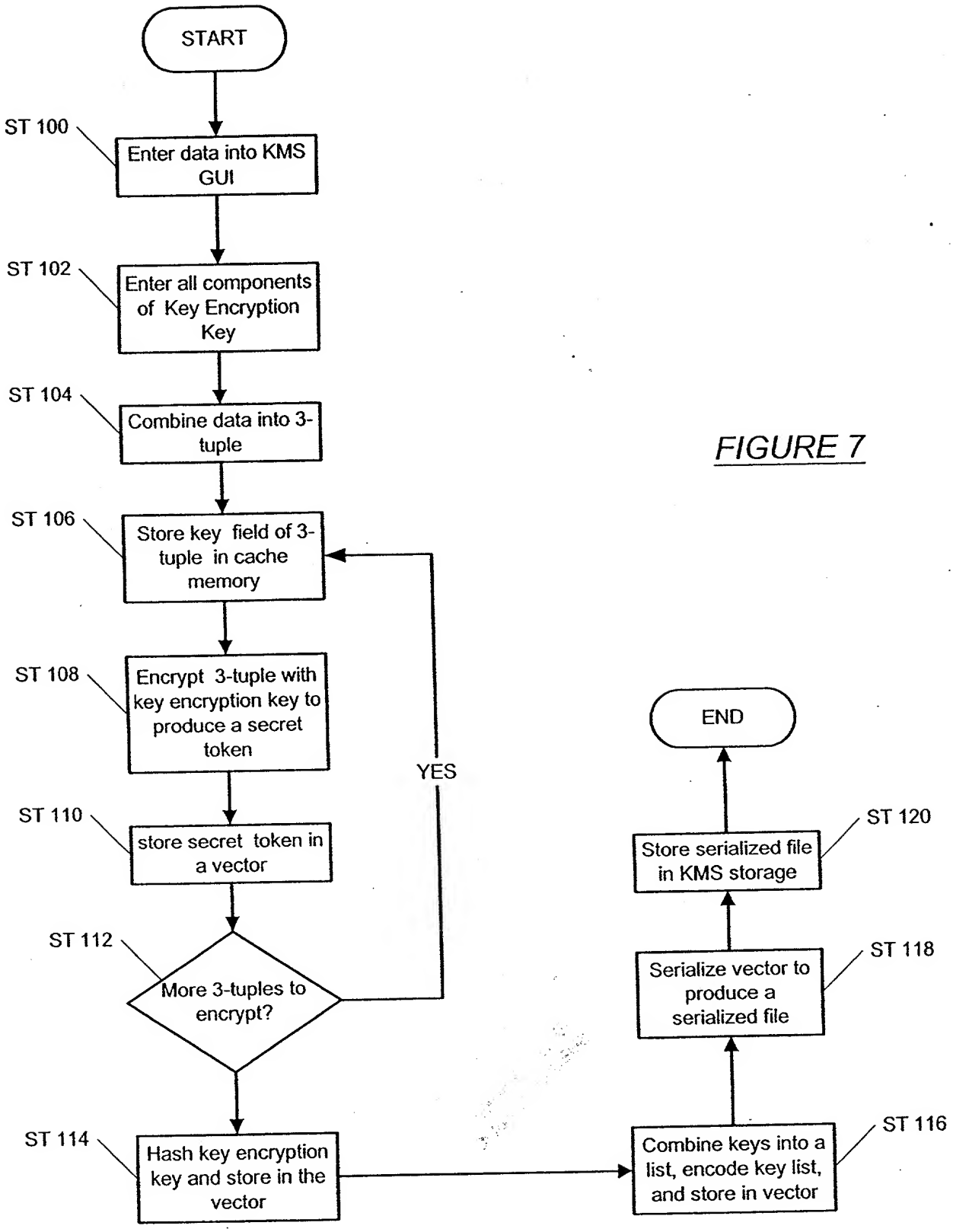
START
ST 100
Enter data into KMS GUI
ST 102
Enter all components of Key Encryption Key
ST 104
Combine data into 3-tuple
ST 106
Store key field of 3-tuple in cache memory
ST 108
Encrypt 3-tuple with key encryption key to produce a secret token
ST 110
store secret token in a vector
ST 112
More 3-tuples to encrypt?
YES
ST 114
Hash key encryption key and store in the vector
ST 116
Combine keys into a list, encode key list, and store in vector
ST 118
Serialize vector to produce a serialized file
ST 120
Store serialized file in KMS storage
END

FIGURE 7

Scanned at Sirsidynix

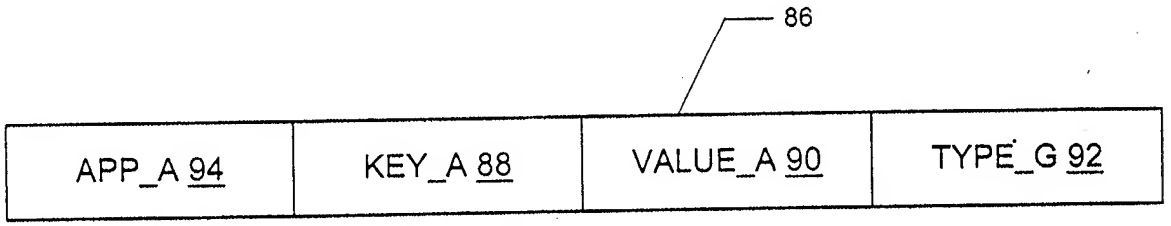

FIGURE 8

SUBSTITUTE SHEET

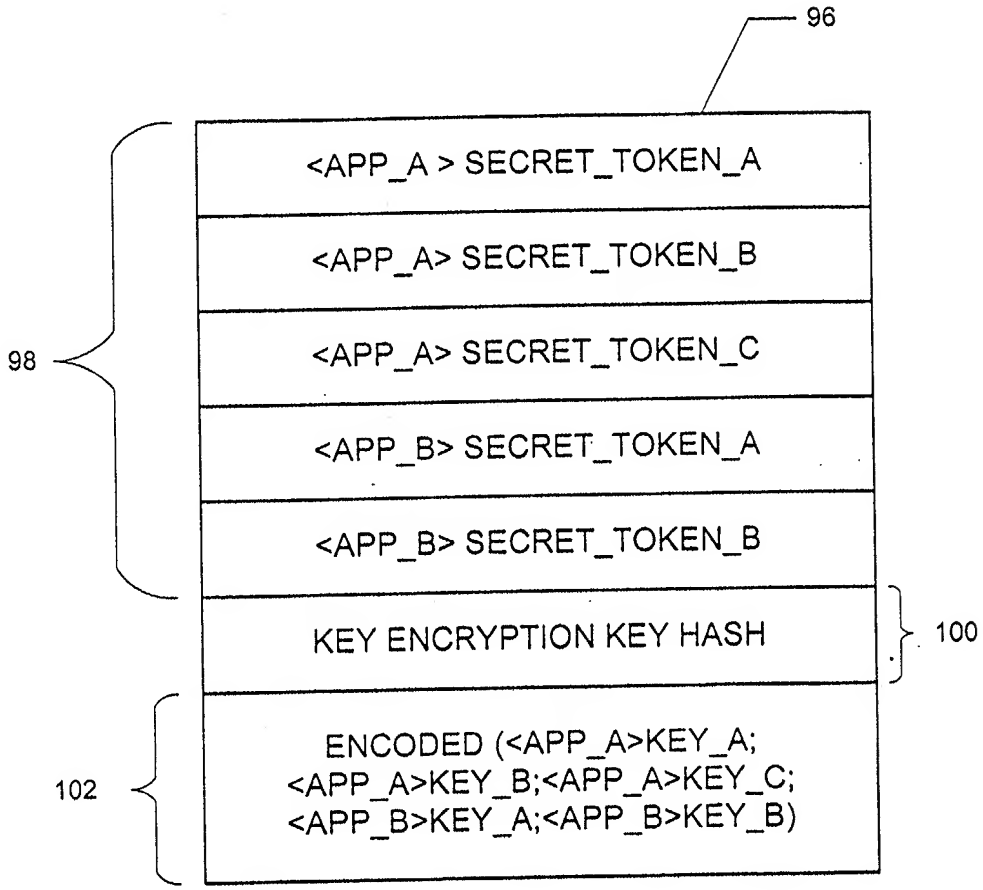

FIGURE 9